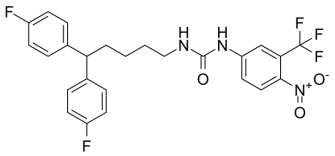
FGFR1 inhibitor-2

Cat. No.:	HY-139376
CAS No.:	2410612-08-5
Molecular Formula:	$C_{25}H_{22}F_5N_3O_3$
Molecular Weight:	507.45
Target:	FGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FGFR1 inhibitor-2 is a FGFR1 inhibitor (IC_{50} is 4.55 μM in MDA-MB-231 cells). FGFR1 inhibitor-2 can be used for the research of metastatic triple-negative breast cancer[1].
IC_{50} & Target	FGFR1
In Vitro	FGFR1 inhibitor-2 (3 and 6 μM; 48 hours; MDA-MB-231) reduces the expression of FGFR1[1]. FGFR1 inhibitor-2 (0~5 μM; MDA-MB-231) increases the apoptotic index by 10.6-fold at 5 μM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Western Blot Analysis[1]

Cell Line:	MDA-MB-231
Concentration:	3 and 6 μM
Incubation Time:	48 hours
Result:	Reduced the expression of FGFR1.

REFERENCES

[1]. Ashraf-Uz-Zaman M, et al. Design, synthesis and structure-activity relationship study of novel urea compounds as FGFR1 inhibitors to treat metastatic triple-negative breast cancer. Eur J Med Chem. 2021;209:112866.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA